

I strongly oppose broad-spectrum data over power lines. The largest single problem is reduction of radiation to acceptable limits would require the power line be nearly perfectly balanced, signal sources and loads to be nearly perfectly balanced, and every device or appliance connected to the power mains to be perfectly balanced at ALL frequencies produced by the system.

Well-documented studies in other countries indicate that BPL/PLC causes harmful interference to high frequency radio communications. Additional investigation within the U.S provides further evidence that the interference caused by this technology is non-trivial. It is strong enough to obliterate all but the strongest signals, which would render high frequency communications virtually useless. High frequency communications are critical in times of disaster recovery, especially to neighboring island nations.

I recommend that the FCC carefully evaluate the implementation of BPL/PLC. Proponents of this technology should be required to evaluate and test their delivery systems very thoroughly, and to prove beyond a doubt that BPL/PLC will not cause harmful interference to other users of the High Frequency spectrum.

Allowing use of power lines as part of a high-speed broad-spectrum digital system is unthinkable. It will have a devastating effect on radio systems used for emergency communications, as well as casual use systems.

Frederick H. Kleber, President
WireServe LLC, Wireless Consulting Services
also licensed as amateur radio station K9VV